

# Felix Tiet

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## Education

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### Vanderbilt University

B.S., Computer Science & B.E., Chemical Engineering

Nashville, TN

August 2015 - May 2019

### Relevant Coursework (*currently enrolled*)

Intermediate Software Design

Computer Organization

Algorithms

Program Design and Data Structures

Discrete Structures

Web-based System Architecture

Principles of Operating Systems

Programming Languages

Principles of Software Engineering

## Work Experience

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### Vanderbilt Multiscale Modeling and Simulation Research Facility

Undergraduate Research Assistant

Nashville, TN

May 2016 - Present

- Investigate energy storage systems and ionic liquids through Molecular Dynamics simulations
- Build and analyze simulations using software packages such as GROMACS and other analysis tools
- Automate MD simulations by developing various Python software packages ([foyer](#), [mbuild](#))
- Gained extensive experience working with command-line, package management systems, and version control

### CodeDay - StudentRND

Day-of Volunteer, Photographer

San Francisco, CA & Nashville, TN

May 2016 - Present

- Mentor and interact with 100+ attendees
- Assist with day-of logistics and photography

## Skills

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**Proficient:** C++, Python, Java, Bash/UNIX, Git

**Experienced:** JavaScript, HTML, CSS, MATLAB

## Leadership

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### VandyHacks

Director of Communications (Spring 2016-Present)

Nashville, TN

December 2015 - Present

- Reach out and maintain connections with 15+ representatives of other schools and hackathons
- Maintain various VandyHacks social media pages
- Market and publicize VandyHacks to 10,000+ students and mentors nationwide
- Assist in mini-hackathon Hacker Nights leading up to VandyHacks III
- Hosted 450+ attendees at VandyHacks III

### QuestBridge

Head Ambassador

Nashville, TN

August 2016 - May 2017

- Organize and coordinate Ambassador events, including Calling Campaigns and Essay Coaching
- Increase awareness of QuestBridge scholars program through local outreach

## Publications

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- Osti, N. C., Van Aken, K. L., Thompson, M. W., **Tiet, F.**, Jiang, D., Cummings, P. T., Gogotsi, Y., Mamontov, E. (2016) Solvent Polarity Governs Ion Interactions and Transport in a Solvated Room-Temperature Ionic Liquid. *J. Phys. Chem. Lett.*, 2017, 8(1), 167–171
- Osti, N. C., Dyatkin, B., Thompson, M. W., **Tiet, F.**, Zhang, P., Dai, S., ... & Mamontov, E. (2017). Influence of humidity on performance and microscopic dynamics of an ionic liquid in supercapacitor. *Physical Review Materials*, 1(3), 035402.